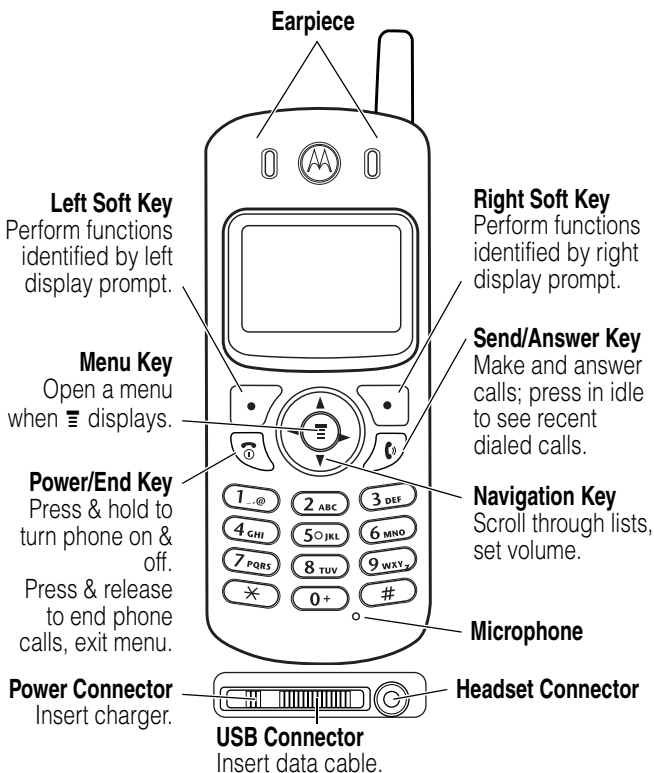




MOTOROLA

START HERE >

Welcome



You can change your phone's covers and keypads (see "Changing Your Phone's Cover" on page 16). Your phone may not appear exactly as the phone image above.

All key locations, sequences and functions remain the same with any of the various covers.

Motorola, Inc., Consumer Advocacy Office
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1-800-331-6456 (United States)

1-888-390-6456 (TTY/TDD United States)

1-800-461-4575 (Canada)

www.motorola.com (United States)

www.motorola.ca (Canada)

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Safety and General Information

IMPORTANT INFORMATION ON SAFE AND EFFICIENT OPERATION.
READ THIS INFORMATION BEFORE USING YOUR PHONE.

The information provided in this document supersedes the general safety information in user's guides published prior to December 1, 2002.

Exposure To Radio Frequency (RF) Energy

Your phone contains a transmitter and a receiver. When it is ON, it receives and transmits RF energy. When you communicate with your phone, the system handling your call controls the power level at which your phone transmits.

Your Motorola phone is designed to comply with local regulatory requirements in your country concerning exposure of human beings to RF energy.

Operational Precautions

To assure optimal phone performance and make sure human exposure to RF energy is within the guidelines set forth in the relevant standards, always adhere to the following procedures.

External Antenna Care

Use only the supplied or Motorola-approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the phone.

Do NOT hold the external antenna when the phone is IN USE. Holding the external antenna affects call quality and may cause the phone to operate at a higher power level than needed. In addition, use of unauthorized antennas may result in non-compliance with the local regulatory requirements in your country.

Phone Operation

When placing or receiving a phone call, hold your phone as you would a wireline telephone.

Body-Worn Operation

To maintain compliance with RF energy exposure guidelines, if you wear a phone on your body when transmitting, always place the phone in a Motorola-supplied or approved clip, holder, holster, case, or body harness for this phone, if available. Use of accessories not approved by Motorola may exceed RF energy exposure guidelines. If you do not use one of the body-worn accessories approved or supplied by Motorola, and are not using the phone held in the normal use position, ensure the phone and its antenna are at least 1 inch (2.5 centimeters) from your body when transmitting.

Data Operation

When using any data feature of the phone, with or without an accessory cable, position the phone and its antenna at least 1 inch (2.5 centimeters) from your body.

Approved Accessories

Use of accessories not approved by Motorola, including but not limited to batteries and antennas, may cause your phone to exceed RF energy exposure guidelines. For a list of approved Motorola accessories, visit our website at www.Motorola.com.

RF Energy Interference/Compatibility

Note: Nearly every electronic device is susceptible to RF energy interference from external sources if inadequately shielded, designed, or otherwise configured for RF energy compatibility. In some circumstances your phone may cause interference.

Facilities

Turn off your phone in any facility where posted notices instruct you to do so. These facilities may include hospitals or health care facilities that may be using equipment that is sensitive to external RF energy.

Aircraft

When instructed to do so, turn off your phone when on board an aircraft. Any use of a phone must be in accordance with applicable regulations per airline crew instructions.

Medical Devices

Pacemakers

Pacemaker manufacturers recommend that a minimum separation of 6 inches (15 centimeters) be maintained between a handheld wireless phone and a pacemaker.

Persons with pacemakers should:

- ALWAYS keep the phone more than 6 inches (15 centimeters) from your pacemaker when the phone is turned ON.
- NOT carry the phone in the breast pocket.
- Use the ear opposite the pacemaker to minimize the potential for interference.
- Turn OFF the phone immediately if you have any reason to suspect that interference is taking place.

Hearing Aids

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want to consult your hearing aid manufacturer to discuss alternatives.

Other Medical Devices

If you use any other personal medical device, consult the manufacturer of your device to determine if it is adequately shielded from RF energy. Your physician may be able to assist you in obtaining this information.

Use While Driving

Check the laws and regulations on the use of phones in the area where you drive. Always obey them.

When using your phone while driving, please:

- Give full attention to driving and to the road.
- Use handsfree operation, if available.
- Pull off the road and park before making or answering a call if driving conditions so require.

Responsible driving best practices may be found in the “Wireless Phone Safety Tips” at the end of this manual and at the Motorola website:

www.Motorola.com/callsmart.

Operational Warnings

For Vehicles With an Air Bag

Do not place a phone in the area over an air bag or in the air bag deployment area. Air bags inflate with great force. If a phone is placed in the air bag deployment area and the air bag inflates, the phone may be propelled with great force and cause serious injury to occupants of the vehicle.

Potentially Explosive Atmospheres

Turn off your phone prior to entering any area with a potentially explosive atmosphere. Do not remove, install, or charge batteries in such areas. Sparks in a potentially explosive atmosphere can cause an explosion or fire resulting in bodily injury or even death.

Note: The areas with potentially explosive atmospheres referred to above include fueling areas such as below decks on boats, fuel or chemical transfer or storage facilities, areas where the air contains chemicals or particles, such as grain, dust, or metal powders. Areas with potentially explosive atmospheres are often but not always posted.

Blasting Caps and Areas

To avoid possible interference with blasting operations, turn OFF your phone when you are near electrical blasting caps, in a blasting area, or in areas posted “Turn off electronic devices.” Obey all signs and instructions.

Batteries

Batteries can cause property damage and/or bodily injury such as burns if a conductive material such as jewelry, keys, or beaded chains touch exposed terminals. The conductive material may complete an electrical circuit (short circuit) and become quite hot. Exercise care in handling any charged battery, particularly when placing it inside a pocket, purse, or other container with metal objects. **Use only Motorola original batteries and chargers.**

Your battery or phone may contain symbols, defined as follows:

Symbol	Definition
	Important safety information will follow.
	Your battery or phone should not be disposed of in a fire.
	Your battery or phone may require recycling in accordance with local laws. Contact your local regulatory authorities for more information.
	Your battery or phone should not be thrown in the trash.
	Your phone contains an internal lithium ion battery.

Seizures/Blackouts

Some people may be susceptible to epileptic seizures or blackouts when exposed to flashing lights, such as when watching television or playing video games. These seizures or blackouts may occur even if a person never had a previous seizure or blackout.

If you have experienced seizures or blackouts, or if you have a family history of such occurrences, please consult with your doctor before playing video games on your phone or enabling a flashing-lights feature on your phone. (The flashing-light feature is not available on all products.)

Parents should monitor their children's use of video game or other features that incorporate flashing lights on the phones. All persons should discontinue use and consult a doctor if any of the following symptoms occur: convulsion, eye or muscle twitching, loss of awareness, involuntary movements, or disorientation.

To limit the likelihood of such symptoms, please take the following safety precautions:

- Do not play or use a flashing-lights feature if you are tired or need sleep.
- Take a minimum of a 15-minute break hourly.
- Play in a room in which all lights are on.
- Play at the farthest distance possible from the screen.

Repetitive Motion Injuries

When you play games on your phone, you may experience occasional discomfort in your hands, arms, shoulders, neck, or other parts of your body. Follow these instructions to avoid problems such as tendonitis, carpal tunnel syndrome, or other musculoskeletal disorders:

- Take a minimum 15-minute break every hour of game playing.
- If your hands, wrists, or arms become tired or sore while playing, stop and rest for several hours before playing again.
- If you continue to have sore hands, wrists, or arms during or after play, stop playing and see a doctor.

Getting Started



What's in the Box?

Your wireless phone typically comes with a battery and a charger. Optional accessories can customize your phone for maximum performance and portability.

To purchase Motorola Original™ accessories, call the Motorola Customer Call Center at 1-800-331-6456 in the United States or 1-800-461-4575 in Canada.

About this Guide

This user's guide introduces you to your Motorola wireless phone and shows you how to use its features.

Note: A reference guide for your phone is also available that describes your phone's features in more detail.

To obtain the reference guide for your phone, or another copy of this user's guide, see the Motorola Web site at:

<http://motorola.com/consumer/manuals>

or contact the Motorola Customer Call Center at 1-800-331-6456 in the United States or 1-800-461-4575 in Canada.

Optional Features



This label identifies an optional network or subscription-dependent feature that may not be offered by all service providers in all geographical areas. Contact your service provider for more information.



Optional Accessories



This label identifies a feature that requires an optional Motorola Original™ accessory.

Installing the Battery

Install and charge the battery before you use your phone.

CAUTION: This phone comes with a 750 mAh (milliamp hours) battery and should be used only with Motorola Original batteries rated at 750 mAh or 1100 mAh. Use of any other battery could affect the performance of the phone and could also cause the phone to become noncompliant with the Specific Absorption Rate levels established by the FCC's Radiofrequency Exposure Guidelines.

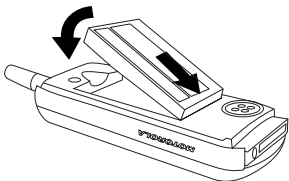


Your phone is designed to be used only with Motorola Original batteries and accessories. We recommend that you store batteries in their protective cases when not in use.



To Install the Battery

- 1 Remove the phone's back cover as described in "Changing Your Phone's Cover" on page 16.
- 2 Remove the battery from its protective clear plastic case.
- 3 Insert the battery, printed arrow first, **under the tabs** at the bottom of the battery compartment and push down.
- 4 Replace the phone's cover.



Charging the Battery

Before you can use your phone, fully charge the battery as follows. Some batteries perform best after several full charge/discharge cycles.

To Charge the Battery

- 1 Plug the charger into the left jack on the bottom of your phone.
- 2 Plug the other end of the charger into the appropriate electrical outlet.



To Charge the Battery

- 3 When your phone indicates **Charge Complete**, remove the charger.

When you charge the battery, the battery level indicator in the upper right corner of the display shows how much of the charging process is complete. See “Battery Level Indicator” on page 22.

Battery Use

Caution: To prevent injuries or burns, do not allow metal objects to contact or short-circuit the battery terminals.

To maximize battery performance:

- Always use Motorola Original™ battery chargers. The phone warranty does not cover damage caused from using non-Motorola battery chargers.
- New batteries or batteries that have been stored for a long time may require a longer initial charge time.
- Keep the battery at or near room temperature when charging.
- Do not expose batteries to temperatures below -10° C (14° F) or above 45° C (113° F). Always take your phone with you when you leave your vehicle.
- When you do not intend to use a battery for a while, store it uncharged in a cool, dark, dry place, such as a refrigerator.
- Over time, batteries gradually wear down and require longer charging times. This is normal. If you charge



your battery regularly and notice a decrease in talk time or an increase in charging time, then it is probably time to buy a new battery.



The rechargeable batteries that power this product must be disposed of properly and may need to be recycled. Refer to your battery's label for battery type. Contact your local recycling center for proper disposal methods. Never dispose of batteries in a fire because they may explode.

Changing Your Phone's Cover

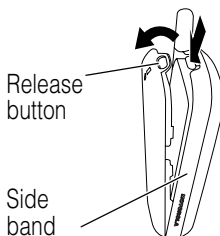
Since you can change your phone's covers and keypads, it may not appear exactly as the phone pictured. All key locations, sequences, and functions remain the same with any of the covers.

Important: To maintain compliance with FCC RF exposure guidelines, use only the housings supplied by Motorola with your CDMA phone, or a housing approved by Motorola for use with your CDMA phone. Use of housings not supplied by Motorola, or not approved by Motorola for use with your CDMA phone, may cause the phone-housing combination to exceed FCC RF exposure guidelines.

Removing a Cover and Keypad

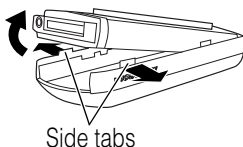
Do This

- 1 Press down on the cover release button at the top of your phone.
- 2 Pull the top of the phone's back cover to release it.



Note: If the cover has a removable side band, remove it at this point.

- 3 Pull the side tabs away from the phone, then
- 4 Lift up on the bottom of the phone to pull it out of the front cover.



Note: Always use Motorola Original™ covers. The phone warranty does not cover damage caused from using non-Motorola accessories.



Installing a Cover and Keypad

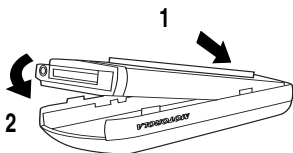
Always use the keypad and side band (if applicable) that matches the new cover.



Do This

Note: If your phone has an end cap, install it before attaching the front cover.

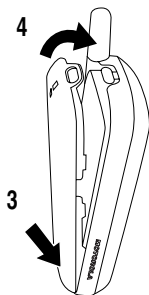
- 1 Place the keypad in the new front cover and slide the top of the phone into the top of the new front cover.



- 2 Press the bottom of the phone into the front cover until the side tabs snap into place.

Note: If the cover has a removable side band, attach it at this point.

- 3 Insert the bottom of the back cover.
- 4 Press the top of the back cover down until it hooks over the cover release button.



Turning Your Phone On

To Turn Your Phone On

- 1 Press and hold  (the End/Power key)

End/
Power Key



- 2 If necessary, enter your four-digit unlock code and press **OK** () to unlock your phone

Note: The unlock code is originally set to 1234 or the last four digits of your phone number (see page 34).

Adjusting the Volume

Press right and left on the  to:

- increase or decrease earpiece volume during a call
- increase or decrease the ringer volume setting when the idle display is visible

Tip: At the lowest volume setting, press  down to activate silent alert. Press up to reset ring alert.

- Turn off an incoming call alert



Making a Call

Do not block the antenna while you are on a call.



Press	To
1 keypad keys	dial the phone number
Tip: If you make a mistake, press DELETE (⏮) to delete the last digit. Holding DELETE (⏮) clears all digits.	
2 	make the call
3 	end the call and “hang up” the phone when you are finished

Answering a Call

When you receive a call, your phone rings and/or vibrates and displays an incoming call message.

Press	To
1  or ANSWER (⏮)	answer the call
2 	end the call and “hang up” the phone when you are finished

Note: If the phone is locked, unlock it to answer the call.

Viewing Your Phone Number

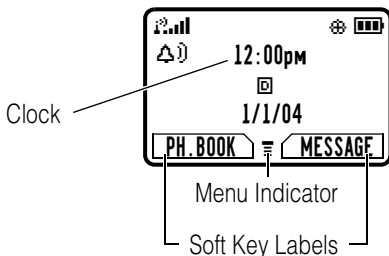
Press   to view your number from idle. While you are on a call, press  > **My Tel. Numbers**.

Learning to Use Your Phone

See page 1 for a basic phone diagram.

Using the Display

The *idle display* (shown below) is the standard display when you are *not* on a call or using the menu.

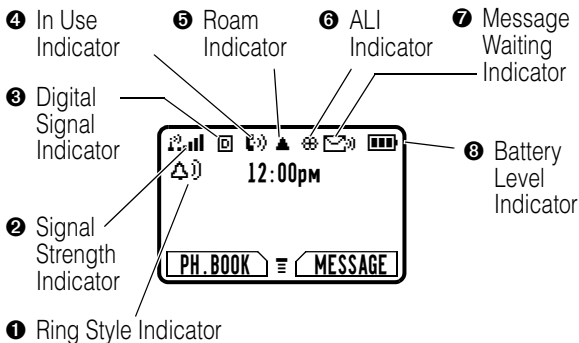


The  (menu) indicator at the bottom center of the display indicates you can press the menu key () to go to the main menu to see more features.

Labels at the bottom corners of the display show the current soft key functions. Press the left soft key () or right soft key () to perform the function indicated by the left or right soft key label.



At the top of the display are a number of status indicators:



1 Ring Style Indicator Shows the ring style setting.

🔔 = loud

🔔 = soft

🔔 = vibrate

🔔 = vibrate and ring

🔔 = silent

2 Signal Strength Indicator Vertical bars show the strength of the network connection. You cannot make or receive calls when the 📶 (no signal) indicator is displayed.



3 Digital Signal Indicator Shows when you are receiving a digital signal.

4 In Use Indicator Shows that a call is in progress.



5 Roam Indicator Shows that your phone is seeking or using another network system outside your home network. A 1X icon indicates that it is using a CDMA 1X network.

6 ALI Indicator Shows the status of the automatic location information feature:

⊗ ALI on ⊗ ALI off



7 Message Waiting Indicator Displays when you receive a  text message,  voice message, or  both.

8 Battery Level Indicator Vertical bars show the battery charge level. Recharge the battery when you see **Low Battery** and hear the low battery alert.



Using the 4-Way Navigation Key

Use the 4-way navigation key to navigate the menu system, change feature settings, and play games.

4-way
navigation
key



Tip: Down and up are the primary movements within menus. Move left and right to change feature settings, navigate the datebook, and edit text.

Using Menus

From the idle display, press  to display the main menu.

Left Soft Key

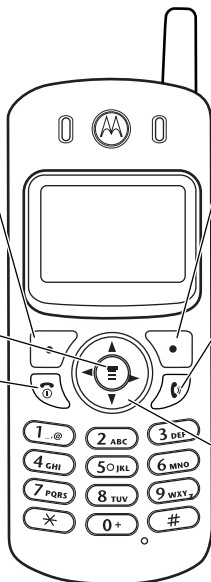
Perform functions identified by left display prompt.

Menu Key

Power/End Key

Press & hold to power phone on & off.

Press & release to end phone calls and exit menus.



Right Soft Key

Perform functions identified by right display prompt.

Send/Answer Key

Make and answer calls & view recent dialed calls.

Navigation Key

Scroll through menus and lists, and set feature values.

Select a Menu Feature

From the idle display, select a menu feature as follows:

Find the Feature

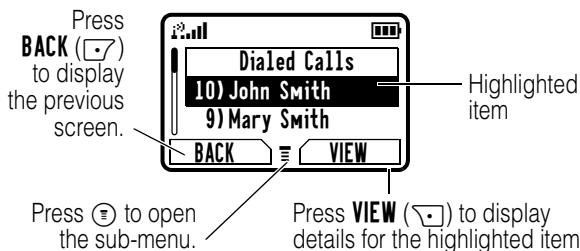
 > **Messages**
> **Create Message**

This example shows that from the idle display, you must press , scroll to and select **Messages** from the main menu, then scroll to and select **Create Message**. Use  to

scroll, and use the left/right soft keys to select the functions listed in the bottom left and right corners of the display.

Select a Feature Option

Some features require you to select an item from a list:

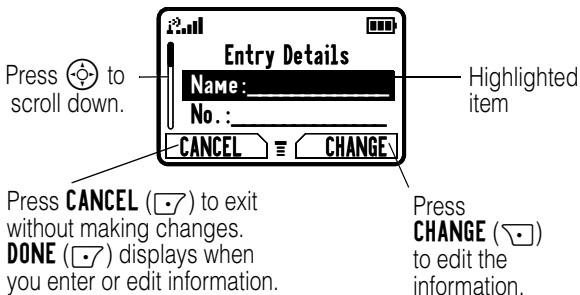


- Press (⏮) to scroll up or down to highlight an item.
- In a numbered list, press a number key to highlight the item.
- In an alphabetized list, press a key repeatedly to cycle through the letters on the key and highlight the closest matching list item.
- When an item has a list of possible values, press (⏮) to the left or right to scroll and select a value.
- When an item has a list of possible numeric values, press a number key to set the value.

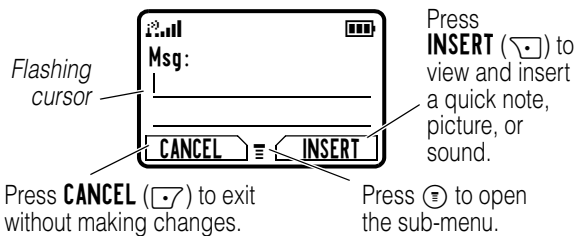


Entering Text

Some features require you to enter information:

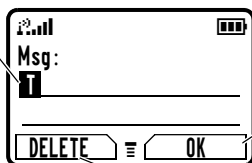


The message center lets you compose and send text messages. A *flashing cursor* shows where text will display:



When you enter text using the standard tap method (see page 28), the flashing cursor changes to a *block cursor*, and the soft key functions change:

Block cursor indicates current highlighted character.



Press **OK** (OK) to accept and store the text.

After 2 seconds, the block cursor reverts to a flashing cursor and moves to the next position.

Press **DELETE** (DELETE) to clear the last letter.



Choosing a Text Entry Method

Multiple text entry modes make it easy for you to enter names, numbers, and messages.

Press (MENU) from any text entry screen to select a text entry method:

iTAP
(iTAP) Let the phone predict each word as you enter it (see page 30).

Tap Method
(TAP) Enter letters, numbers, and symbols by pressing a key one or more times (see page 28).

Numeric
(12) Enter numbers only.

Symbol
(@) Enter symbols only (see page 33).

Note: The text entry method you select remains active until you select another method.

Using the Tap Method

This is the standard method for entering text on your phone.

Press  from a text entry screen and select **Tap Method**.



Press	To
1 A number key 1 or more times	select a letter, number, or symbol shown in the "Character Chart" on page 29
2 Number keys	enter the remaining characters
3 OK ()	store the text

Tap Method Text Entry Rules

- Press a number key repeatedly to cycle through its characters (see chart on page 29).
- If you do not press a key for 2 seconds, the character in the block cursor is accepted, and the cursor moves to the next position.
- Press  left or right to move the flashing cursor to the left or right in a text message.
- The first character of every sentence is capitalized. Press  down to force the character to lowercase while it is highlighted by the block cursor.

- Your phone may support multiple languages. The current language setting determines whether a new message begins on the left or right side of the display.

You can switch languages within a message. Press  to select the text entry method and language you want to use.

- If you enter or edit information and do not want to save your changes, press  to exit without saving.
- Press and hold a number key to cycle between tap, iTAP, and numeric text entry methods.



Character Chart

Use this chart as a guide for entering characters with the tap method.

	space . 1 ? ! , @ _ & ~ : ; " - () ' ` ı % £ \$ ¥ ¤ €
	a b c 2 ä å á à â ã ó α β ç
	d e f 3 δ ð ë é è ê ε φ
	g h i 4 ĝ ħ í î ï γ η ι
	j k l 5 κ λ
	m n o 6 ñ ö ø ó ò ô õ μ υ ω
	p q r s 7 π ϐ ϑ σ
	t u v 8 θ ü ú ù û τ
	w x y z 9 ϐ ξ ψ
	+ - 0 x * / \ [] = > < # §

Note: This chart may not reflect the exact character set available on your phone.

Using iTAP™ Software Text Entry Method

iTAP™ software is a predictive text entry method that lets you enter a word using one keypress per letter.

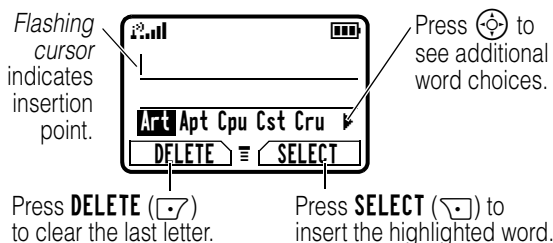
Press  from any text entry screen and select iTAP.

Entering Words

Do This	To
1 Press a number key one time	enter the first letter of the word The letters associated with the key are shown at the bottom of the display.
2 Press number keys (one per letter)	enter the rest of the word Alternative words and letter combinations are shown at the bottom of the display. The word choices are updated with each keypress.
3 Press 	highlight the word you want
4 Press SELECT ()	enter the word at the flashing cursor A space is automatically inserted after the word.



For example, to spell the word “art,” press **2 ABC** **7 PQRS** **8 TUV**.
The display shows:



Entering Novel Words

If the word you want is not displayed by the iTAP software:

Do This	To
1 Press DELETE () one or more times	delete letters until you see a letter combination that matches the start of the word
2 Press  left or right	highlight the letter or letter combination
3 Press SELECT () , then press  to the left	shift the cursor to the left and “lock” the selected word portion
4 Continue to enter letters and highlight letter combinations	spell the word



Entering Punctuation

Press	To
 or 	enter punctuation or other characters (see “Character Chart” on page 29).

Using Capitalization

The first word of a sentence is automatically capitalized, with the words that follow in lowercase.

Press	To
 up or down	change the words to initial character capitalized, all uppercase characters, or all lowercase characters

Entering Numbers

Do This	To
1 Enter the first digit and press  to highlight it	put the iTAP software in the number entry method
2 Press number keys	add digits to the number
3 Press SELECT ()	enter the number

Deleting Letters and Words

Place the cursor to the right of the text you want to delete, and then:

Do This	To
Press DELETE ()	delete one letter at a time
Hold DELETE ()	delete the entire message

Using the Symbol Method

To enter symbol characters in a message, press  from any text entry screen and select **Symbol**.

Do This	To
1 Press a number key one time	display its symbol options at the bottom of the display See "Symbol Chart" on page 34.
2 Press  or Press the number key repeatedly	highlight the symbol you want
3 Press SELECT ()	enter the symbol



Symbol Chart

Use this chart as a guide for entering characters in symbol method.

1 	space . ? ! , @ _ & ~ : ; " - () ' ` ~ % £ \$ ¥ ¤ €
2 ABC	@ _ \
3 DEF	/ : ;
4 GHI	" & '
5 JKL	()[]{}
6 MNO	~ i ~
7 PQRS	< > =
8 TUV	\$ £ ¥ ¤ €
9 WXYZ	# % *
0 +	+ - x * / \ [] = > < # §

Locking and Unlocking Your Phone

You can lock your phone manually or set the phone to lock automatically whenever you turn it off.

A locked phone still rings or vibrates for incoming calls or messages, *but you must unlock it to answer*. To use a locked phone, enter the unlock code.

You can make emergency calls on your phone even when it is locked (see page 45).

Lock Your Phone Manually

Find the Feature

- ☰ > Settings > Security
- > Phone Lock
- > Lock Now

Press	To
1 keypad keys	enter your unlock code
2 OK (⏏)	lock the phone

Unlock Your Phone

Tip: Your phone's unlock code is set to 1234 or the last four digits of your phone number.

At the **Enter Unlock Code** prompt:

Press	To
1 keypad keys	enter your unlock code
2 OK (⏏)	unlock your phone

Set Your Phone to Lock Automatically

You can set your phone to lock every time you turn it off.

Find the Feature

- ☰ > Settings > Security
- > Phone Lock
- > Automatic Lock > On

Press	To
1 keypad keys	enter your unlock code
2 OK (⏏)	activate automatic lock



Changing a Code or Password

Your phone's four-digit unlock code is set to 1234, and the six-digit security code is set to 000000 at the factory. Your service provider may reset these numbers before you receive your phone.

If your service provider has *not* reset these numbers, we recommend that you change them to prevent others from accessing your personal information. The unlock code must contain four digits, and the security code must contain six digits.

To change a code or password:

Find the Feature

☰ > Settings > Security
> New Passwords

If You Forget a Code or Password

If you forget your security code, contact your service provider.

If you forget your unlock code, try entering 1234 or the last four digits of your phone number. If that does not work, at the **Enter Unlock Code** prompt:

Press	To
1 ☰	display the unlock code bypass screen
2 keypad keys	enter your security code
3 OK (⏏)	submit your security code

Locking and Unlocking the Keypad

You can lock the keypad to prevent accidental keypresses (for example, when carrying your phone in a purse or pocket).

Press	To
 	lock or unlock your keypad

Note: Incoming calls and messages unlock the keypad.



Setting Up Your Phone

Storing Your Name and Phone Number



To store or edit the name and phone number information on your phone:

Find the Feature

- ☰ > Settings
- > Phone Status
- > My Tel. Numbers

Setting the Time and Date

To use the datebook, you must set the time and date.

Find the Feature

- ☰ > Settings
- > Other Settings
- > Initial Setup
- > Time and Date

Setting a Ring Style

Your phone rings or vibrates to notify you of an incoming call or other event. This ring or vibration is called an *alert*.

You can select one of five different ring styles:

🔊= loud

🔊=soft

🔊=vibrate

🔊=vibrate and ring

🔊=silent

The ring style indicator in the display shows the current ring style (see page 22).

To set a ring style:

Find the Feature

 > Ring Styles > Style

Press	To
1 	scroll to the ring style
2 SELECT ()	select the ring style

Each ring style contains settings for specific event alerts, ringer ID, and ringer and keypad volume.

To change these settings:

Find the Feature

 > Ring Styles
> Style Detail

* *Style* represents the current alert style, such as **Loud**, **Soft**, **Vibrate**, **Vibe&Ring**, or **Silent**.

Setting Answer Options

You can use different methods to answer an incoming call.

Find the Feature

 > Settings
> In-Call Setup
> Answer Options

The **Answer Options** menu includes:

Multi-Key

answer by pressing any key



Setting a Wallpaper Image

You can set a picture or an animation as a wallpaper (background) image in your phone's idle display.

Note: When you set an animation as a wallpaper image, only the first frame of the animation is displayed.

Find the Feature

- ⋮ > **Settings**
- > **Other Settings**
- > **Personalize**
- > **Wallpaper**

Setting	Description
Picture	select the picture or animation for the background image in your idle display
Layout	select Center or Tile

Setting a Screen Saver Image

You can set a picture or an animation as a screen saver image. The image displays when the phone detects no activity for a specified time.

The screen saver image fills the display. An animation repeats for one minute, then the first frame of the animation displays.

Find the Feature

- ⋮ > **Settings**
- > **Other Settings**
- > **Personalize**
- > **Screen Saver**

Setting	Description
Picture	select the picture that displays when your phone is idle
Delay	select how long your phone must be idle before the screen saver picture displays

Zooming In and Out

Press and release , then press and hold  to zoom in and out on the display. Zoom in to increase text size, zoom out to display more information.

You can also zoom in and out from the menu:

Find the Feature

-  > **Settings**
- > **Other Settings**
- > **Initial Setup > Zoom**

Setting Display Color

You can select the color palette that your phone uses to display indicators, highlights, and soft key labels.

Find the Feature

-  > **Settings**
- > **Other Settings**
- > **Personalize**
- > **Color Style**



Setting Display Contrast

Find the Feature

- ⓘ > Settings
- > Other Settings
- > Initial Setup
- > Contrast

Adjusting the Backlight

You can set the amount of time that the display backlight remains on, or turn off the backlight to conserve battery power.

Find the Feature

- ⓘ > Settings
- > Other Settings
- > Initial Setup
- > Backlight



Caution: Your battery will not last as long if you use the **Continuous** setting. Your phone might not offer this setting.

Calling Features

For basic instructions on how to make and answer calls, see page 20.

Changing the Active Line



Change the active phone line to make and receive calls from your other phone number.

Find the Feature

- ⓘ > Settings
- > Phone Status
- > Active Line

Redialing a Number

If you hear an ordinary busy signal:

Press	To
1 	hang up
2 	redial the busy number

Using Automatic Redial

If the network is busy, you hear a fast busy signal, and your phone displays **Call Failed**.

With automatic redial, your phone automatically redials the number for four minutes. When the call goes through, your phone rings or vibrates one time, displays **Redial Successful**, and then connects the call.



You must turn on automatic redial to use the feature. To turn automatic redial on or off:

Find the Feature

- ⓘ > Settings
- > Other Settings
- > Initial Setup
- > Auto Redial

When automatic redial is turned off, you can manually activate the feature to redial a phone number. When you hear a fast busy signal and see **Call Failed**:

Press	To
 or RETRY ()	activate automatic redial

Using Caller ID



Calling line identification (caller ID) displays the phone number for incoming calls.

The phone displays the caller's name when the name is stored in your phonebook, or

Incoming Call when caller ID information is not available.

Canceling an Incoming Call

While the phone is ringing or vibrating:

Press	To
 or IGNORE ()	cancel the incoming call



Depending on your phone settings and/or service subscription, the call may be forwarded to another number, or the caller may hear a busy signal.

Turning Off a Call Alert

You can turn off your phone's incoming call alert before answering the call.

Press	To
left or right	turn off the alert

Calling an Emergency Number

Your service provider programs one or more emergency phone numbers, such as 911, that you can call under any circumstances, even when your phone is locked.

Note: Emergency numbers vary by country. Your phone's preprogrammed emergency number(s) may not work in all locations, and sometimes an emergency call cannot be placed due to network, environmental, or interference issues.

Press	To
1 keypad keys	dial the emergency number
2	call the emergency number

Viewing Recent Calls

Your phone keeps a list of the calls you recently received and dialed, even if the calls did not connect. The lists are



sorted from newest to oldest, and contain up to 10 entries. The oldest entries are deleted as new ones are added.

Shortcut: From the idle display, press  to display the dialed calls list.

Find the Feature

 > Recent Calls

Press	To
1 	scroll to Received Calls or Dialed Calls
2 SELECT ()	select the list
3 	scroll to an entry
	Note: ✓ means the call connected.
4 	call the entry's number
	Tip: Press and hold  for 2 seconds to send the number as DTMF tones during a call.
or	
VIEW ()	view entry details
or	
	open the menu to display other options as described in the following list



The menu can include the following options:

Option	Description
Store	Create a phonebook entry with the number in the No. field.
Delete	Delete the entry.
Delete All	Delete all entries in the list.
Send Message	Open a new text message with the number in the To field.
Add Digits	Add digits after the number.
Attach Number	Attach a number from the phonebook or recent call lists, after the highlighted number.
Send Tones	Send the number to the network as DTMF tones. This option is only available during a call.

Returning an Unanswered Call

Your phone keeps a record of your unanswered calls, and displays:

- the  (missed call) indicator



- **X Missed Calls Y Unknown**, where **X** is the total number of missed calls and **Y** is the number of missed calls with no caller ID information

Press	To
1 VIEW (☐)	see the received calls list
2 	select a call to return
3 	make the call

Using the Notepad

Your phone stores the most recent number entered on the keypad in a temporary *notepad*. This can be a phone number that you called, or a number that you entered but did not call. To retrieve the number stored in the notepad:

Find the Feature

 > **Recent Calls**
> **Notepad**

Press	To
	call the number
or	
	open the Dialing Menu to attach a number or insert a special character
or	
STORE (☐)	create a phonebook entry with the number in the No. field

Attaching a Number

While dialing (with digits visible in the display):

Press	To
 > Attach Number	attach a number from the phonebook or recent call lists

Calling With Speed Dial

Each entry you store in your phonebook is assigned a unique *speed dial* number. To speed dial a phonebook entry:

Press	To
1 keypad keys	enter the speed dial number for the entry you want to call
2 	submit the number
	Note: Some networks let you skip this step for speed dial numbers 1 through 99.
3 	call the entry

Calling With One-Touch Dial

To call phonebook entries 1 through 9, just press and hold the one-digit speed dial number for 1 second.

We recommend that you reserve phonebook entry 1 (speed dial number 1) for storing and dialing your



voicemail number. Your service provider may have already done this for you.

Using Voicemail



You can listen to your voicemail messages by calling your network voicemail phone number. Voicemail messages are stored on the network—not on your phone.

Storing Your Voicemail Number

Storing your voicemail number on your phone makes it easy for you to listen to new voicemail messages. Usually, your service provider has already done this for you.

Find the Feature

- ☰ > Messages
- > Message Settings
- > Voicemail No.

Press	To
1 keypad keys	enter your voicemail number
2 OK (☐)	store the number

Note: You cannot store **Pause**, **Wait**, or **n** characters in this number. If you want to store your voicemail number with these characters, create a phonebook entry for it. Then, you can use the entry to call your voicemail. For more about these characters, see page 57.



Receiving a Voicemail Message

When you receive a voicemail message, your phone displays the  (voice message waiting) indicator and a **New VoiceMail** notification.

Press	To
CALL ()	listen to the message(s)

Listening to a Voicemail Message

Find the Feature  > **Messages** > **VoiceMail**

The phone calls your voicemail number. If no voicemail number is stored, your phone prompts you to store one.

Shortcut: If your voicemail number is also stored as phonebook entry number 1, you can press and hold  to listen to your voicemail message(s).

Turning Off the Voice Message Waiting Indicator

To clear the  (voice message waiting) indicator:

Find the Feature  > **Messages**
  > **Clear Count**

Muting the Phone

To mute your phone during a call, press **MUTE** () (if available) or  > **Mute**.



Using Call Waiting



When you are on a call, an alert tone sounds to indicate that you have received a second call.

Press	To
1 	answer the new call
2 	switch back to the first call



Phone Features

Main Menu



Recent Calls

- Received Calls
- Dialed Calls
- Notepad
- Call Times
- Data Times
- Data Volumes



Phonebook



Datebook



Messages

- Voicemail
- Create Message
- Inbox
- Outbox
- Quick Notes
- Drafts
- Message Settings
- Cleanup Messages



Ring Styles



Shortcuts



Settings

(see next page)



Brew *



Browser *

- Email/Messaging
- Entertainment
- News
- Sports
- Money/Trading



More



Calculator



Picture Viewer

Shortcuts

Change display zoom:

Press , then
press and hold

Change ringer alert:

Press left to switch to
silent alert. Press right to
reset to ring alert.

Display my phone number:

Press

Display dialed calls list:

Press

Exit menu system:

Press

Note: Select **More** when it displays in the menu to see additional menu items.

This is the standard phone menu layout. Menu organization and feature names may vary on your phone. Not all features may be available for all users.

* This is an optional network or subscription-dependent features. Your service provider may use a different name for the **Brew** feature.



Settings Menu

Phone Status

- My Tel. Numbers
- Active Line
- Battery Meter
- Other Information

Browser Setup

Connection

- Incoming Call

In-Call Setup

- In-Call Timer
- Answer Options

Security

- Phone Lock
- Lock Keypad
- Lock Application
- Talk Secure
- Restrict Calls
- New Passwords

Location

• Other Settings

Personalize

- Main Menu
- Keys
- Color Style
- Greeting
- Wallpaper
- Screen Saver
- Banner

Initial Setup

- Time and Date
- Auto PIN Dial
- Auto Redial
- Backlight
- Zoom
- TTY Setup
- Scroll
- Language
- Contrast
- DTMF
- Master Reset
- Master Clear

Network

- Current Network
- Set Mode
- Svc Status
- Service Tone
- Call Drop Tone

Car Settings

- Auto Answer
- Auto Handsfree
- Power-Off Delay
- Charger Time

Headset

- Auto Answer



Feature Quick Reference

You can do more with your phone than make and receive phone calls! For example, you can:

- store frequently called numbers in the phonebook for easy dialing
- organize your meetings and other events in the datebook
- browse the Web
- download applications
- send messages, and more.

This section provides information to help you use features on your phone that are not described in this user's guide. For more detailed information, see the reference guide.

Calling Features

Feature	Description
Three-Way Call	During a call: Dial third party's number, press  to call, and then press  again to connect
Restrict Calls	Restrict outgoing or incoming calls:  > Settings > Security > Restrict Calls



Feature	Description
TTY Calls	Set up your phone for use with an optional TTY device: ⌵ > Settings > Other Settings > Initial Setup > TTY Setup



Message Features

Feature	Description
Inbox Setup	Set up or edit the text message inbox settings: ⌵ > Messages ⌵ > Inbox Setup Note: In many cases, your service provider has already set up the text message inbox for you. Contact your service provider for details.
Send Message	Send a text message: ⌵ > Messages > Create Message
Insert Pictures & Sounds	While composing a message: ⌵ > Insert
Received Messages	Read received messages: ⌵ > Messages > Inbox Press ⌵ to perform various operations on the selected message.
Store Pictures & Sounds	Highlight a picture or sound in a message, then: ⌵ > Store

Feature	Description
Quick Note	Send or create a quick note message: ☰ > Messages > Quick Notes
Sent Messages	View sent messages: ☰ > Messages > Outbox

Phonebook Features

Feature	Description
Create Entry	Create a new phonebook entry: ☰ > Phonebook ☰ > New > Phone Number or Email Address
Dial Number	Call a number in the phonebook: ☰ > Phonebook > <i>entry to call</i>
Store a PIN Code in a Number	While entering a number: ☰ > Insert Pause, Wait, or 'n' Pause: waits for the call to connect, then sends the remaining digit(s). If your network does not recognize the first pause character, try two (pp). Wait: waits for the call to connect, then prompts you for confirmation before it sends the remaining digit(s). 'n': prompts you for a number before dialing the call. The number you enter is inserted into the dialing sequence in place of the n character



Personalizing Features

Feature	Description
Change Alerts	Change the alerts for incoming calls, messages, or other events: ☰ > Ring Styles > <i>Style Detail</i> * > <i>event name</i> * <i>Style</i> represents the current alert style, such as Loud , Soft , Vibrate , Vibe&Ring , or Silent .
Ring Volume	Adjust ringer volume: ☰ > Ring Styles > <i>Style Detail</i> * > Ring Volume * <i>Style</i> represents the current alert style, such as Loud , Soft , Vibrate , Vibe&Ring , or Silent .
Keypad Volume	Adjust keypad keypress volume: ☰ > Ring Styles > <i>Style Detail</i> * > Key Volume * <i>Style</i> represents the current alert style, such as Loud , Soft , Vibrate , Vibe&Ring , or Silent .
My Tones	Compose your own ring tones, manage ring tones that you have composed or downloaded: ☰ > Ring Styles > My Tones
Soft Keys	Change soft key labels in the idle display: ☰ > Settings > Other Settings > Personalize > Keys



Feature	Description
Shortcuts	Create a shortcut to a menu item: Highlight the menu item, then press and hold Select a shortcut: > Shortcuts > <i>shortcut name</i>

Menu Features

Feature	Description
Language	Set menu language: > Settings > Other Settings > Initial Setup > Language
Master Reset	Reset all options <i>except</i> unlock code, security code, lifetime timer: > Settings > Other Settings > Initial Setup > Master Reset
Master Clear	Reset all options <i>except</i> unlock code, security code, lifetime timer, clear all user settings and entries: > Settings > Other Settings > Initial Setup > Master Clear Caution: Master clear <i>erases all user-downloaded content and user-entered information</i> stored in your phone's memory, including phonebook and datebook entries. Once you erase the information, it cannot be recovered.

Dialing Features

Feature	Description
Auto PIN Dial	Automatically dial an authenticating PIN code for outgoing calls: ☰ > Settings > Other Settings > Initial Setup > Auto PIN Dial
DTMF Tones	Activate DTMF tones: ☰ > Settings > Other Settings > Initial Setup > DTMF Send DTMF tones during a call: Press number keys Send stored numbers as DTMF tones during a call: Highlight a number in the phonebook or recent call lists, then press ☰ > Send Tones



Call Monitoring Features

Network connection time is the elapsed time from the moment you connect to your service provider's network to the moment you end the call by pressing the end key. This time includes busy signals and ringing.

The amount of network connection time you track on your resettable timer may not equal the amount of time for which



you are billed by your service provider. For billing information, please contact your service provider directly.

Feature	Description
Call Times	View call timers: ☰ > Recent Calls > Call Times
In-Call Timer	Display time or cost information during a call: ☰ > Settings > In-Call Setup > In-Call Timer



Handsfree Features

Feature	Description
Speakerphone	Activate a connected external speakerphone during a call: Press SPEAKER (🔊) (if available) or ☰ > Spkrphone On
Auto Answer (car kit or headset)	Automatically answer calls when connected to a car kit or headset: ☰ > Settings > Other Settings > Car Settings or Headset > Auto Answer



Feature	Description	
Auto Handsfree (car kit)	Automatically route calls to a car kit when connected: ☰ > Settings > Other Settings > Car Settings > Auto Handsfree	
Power-Off Delay (car kit)	Set the phone to stay on for a period of time after the ignition is switched off: ☰ > Settings > Other Settings > Car Settings > Power-Off Delay	
Charger Time (car kit)	Charge the phone for a period of time after the ignition is switched off: ☰ > Settings > Other Settings > Car Settings > Charger Time	

Data Call Features

Feature	Description	
Send Data	Connect your phone to the device, then place the call through the device application	



Feature	Description
Receive Data	Connect your phone to the device, then: ☰ > Settings > Connection > Incoming Call > Next Call > Data In Only Reset normal voice operation: ☰ > Settings > Connection > Incoming Call > Next Call > Normal



Network Features

Feature	Description
Network Settings	View network information and adjust network settings: ☰ > Settings > Other Settings > Network



Personal Organizer Features

Feature	Description
Add Datebook Event	Add an event to the datebook: ☰ > Datebook > <i>day</i> ☰ > New
View Datebook Event	View or edit event details: ☰ > Datebook > <i>day</i> > <i>event name</i>



Feature	Description
Event Reminder	View event reminder: VIEW (⏏) Dismiss event reminder: EXIT (⏏)
Calculator	Calculate numbers: ☰ > More > Calculator
Currency Converter	Convert currency: ☰ > More > Calculator ☰ > Exchange Rate Enter exchange rate, press OK (⏏), enter amount, select \$ function

Security Features

Feature	Description
Lock Application	Lock phone applications: ☰ > Settings > Security > Lock Application

News and Entertainment Features

Feature	Description
Launch Micro-Browser	Start a micro-browser session: ☰ > Browser



Feature	Description
Micro-Browser Options	In a micro-browser session, press: BACK (⏮) to go back, ⬆ to scroll to a link, SELECT (⏮) to select a link, or ☰ to open the menu 
Download Game or Application	Download a Brew game or application: ☰ > Brew > Brew Shop > Start, select a category, select application, select pricing option Note: Your service provider may use a different name for the Brew feature. 
Launch Game or Application	Launch a Brew game or application: ☰ > Brew > <i>application</i> Note: Your service provider may use a different name for the Brew feature. 
Picture Viewer	Manage pictures and animations: ☰ > More > Picture Viewer 



Feature	Description
Radio	Use the optional Motorola Original™ FM Stereo Radio Headset accessory:  > Radio Note: This feature is available only when the optional FM Stereo Radio Headset accessory is plugged into your phone (see phone illustration, page 1).



Specific Absorption Rate Data

This model wireless phone meets the government's requirements for exposure to radio waves.

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government and by the Canadian regulatory authorities. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age or health.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC and by the Canadian regulatory authorities is 1.6 W/kg.¹ Tests for SAR are conducted using standard operating positions accepted by the FCC and by Industry Canada with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station, the lower the power output.

Before a phone model is available for sale to the public in the U.S. and Canada, it must be tested and certified to the FCC and Industry Canada that it does not exceed the limit established by each government for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) reported to the FCC and available for review by Industry Canada. The highest SAR value for this model phone when tested for use at the ear is 1.58 W/kg, and when worn on the body, as described in this user guide, is 0.6 W/kg (Body-worn measurements differ

among phone models, depending upon available accessories and regulatory requirements).²

While there may be differences between the SAR levels of various phones and at various positions, they all meet the governmental requirements for safe exposure. Please note that improvements to this product model could cause differences in the SAR value for later products; in all cases, products are designed to be within the guidelines.

Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications & Internet Association (CTIA) Web site:

<http://phonefacts.net>

or the Canadian Wireless Telecommunications Association (CWTA) Web site:

<http://www.cwta.ca>

1. In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.
2. The SAR information includes the Motorola testing protocol, assessment procedure, and measurement uncertainty range for this product.

Consumer Information on Wireless Phones from the FDA



The U.S. Food and Drug Administration (FDA) provides consumer information on wireless phones at:

<http://www.fda.gov/cellphones/qa.html>

Following are safety-related questions and answers discussed at this web site.

Do wireless phones pose a health hazard?

The available scientific evidence does not show that any health problems are associated with using wireless phones. There is no proof, however, that wireless phones are absolutely safe. Wireless phones emit low levels of radio frequency energy (RF) in the microwave range while being used. They also emit very low levels of RF when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects. Many studies of low level RF exposures have not found any biological effects. Some studies have suggested that some biological effects may occur, but such findings have not been confirmed by additional research. In some cases, other researchers have had difficulty in reproducing those studies, or in determining the reasons for inconsistent results.

What is FDA's role concerning the safety of wireless phones?

Under the law, FDA does not review the safety of radiation-emitting consumer products such as wireless phones before they can be sold, as it does with new drugs or medical devices. However, the agency has authority to take action if wireless phones are shown to emit radio frequency energy (RF) at a level that is hazardous to the user. In such a

case, FDA could require the manufacturers of wireless phones to notify users of the health hazard and to repair, replace or recall the phones so that the hazard no longer exists.

Although the existing scientific data do not justify FDA regulatory actions, FDA has urged the wireless phone industry to take a number of steps, including the following:

- Support needed research into possible biological effects of RF of the type emitted by wireless phones;
- Design wireless phones in a way that minimizes any RF exposure to the user that is not necessary for device function; and
- Cooperate in providing users of wireless phones with the best possible information on possible effects of wireless phone use on human health.

FDA belongs to an interagency working group of the federal agencies that have responsibility for different aspects of RF safety to ensure coordinated efforts at the federal level. The following agencies belong to this working group:

- National Institute for Occupational Safety and Health
- Environmental Protection Agency
- Federal Communications Commission
- Occupational Safety and Health Administration
- National Telecommunications and Information Administration

The National Institutes of Health participates in some interagency working group activities, as well.

FDA shares regulatory responsibilities for wireless phones with the Federal Communications Commission (FCC). All phones that are sold in the United States must comply with FCC safety guidelines that limit RF exposure. FCC relies on FDA and other health agencies for safety questions about wireless phones.

FCC also regulates the base stations that the wireless phone networks rely upon. While these base stations operate at higher power than do the wireless phones themselves, the RF exposures that people get from these base stations are typically thousands of times lower than those they can get from wireless phones. Base stations are thus not the primary subject of the safety questions discussed in this document.

What is FDA doing to find out more about the possible health effects of wireless phone RF?

FDA is working with the U.S. National Toxicology Program and with groups of investigators around the world to ensure that high priority animal studies are conducted to address important questions about the effects of exposure to radio frequency energy (RF).

FDA has been a leading participant in the World Health Organization International Electromagnetic Fields (EMF) Project since its inception in 1996. An influential result of this work has been the development of a detailed agenda of research needs that has driven the establishment of new research programs around the world. The Project has also helped develop a series of public information documents on EMF issues.

FDA and the Cellular Telecommunications & Internet Association (CTIA) have a formal Cooperative Research and Development Agreement (CRADA) to do research on wireless phone safety. FDA provides the scientific oversight, obtaining input from experts in government, industry, and academic organizations. CTIA-funded research is conducted through contracts to independent investigators. The initial research will include both laboratory studies and studies of wireless phone users. The CRADA will also include a broad assessment of additional research needs in the context of the latest research developments around the world.

What steps can I take to reduce my exposure to radio frequency energy from my wireless phone?

If there is a risk from these products--and at this point we do not know that there is--it is probably very small. But if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your exposure to radio frequency energy (RF). Since time is a key factor in how much exposure a person receives, reducing the amount of time spent using a wireless phone will reduce RF exposure.

If you must conduct extended conversations by wireless phone every day, you could place more distance between your body and the source of the RF, since the exposure level drops off dramatically with distance. For example, you could use a headset and carry the wireless phone away from your body or use a wireless phone connected to a remote antenna

Again, the scientific data do not demonstrate that wireless phones are harmful. But if you are concerned about the RF exposure from these products, you can use measures like those described above to reduce your RF exposure from wireless phone use.

What about children using wireless phones?

The scientific evidence does not show a danger to users of wireless phones, including children and teenagers. If you want to take steps to lower exposure to radio frequency energy (RF), the measures described above would apply to children and teenagers using wireless phones. Reducing the time of wireless phone use and increasing the distance between the user and the RF source will reduce RF exposure.

Some groups sponsored by other national governments have advised that children be discouraged from using wireless phones at all. For example, the government in the United Kingdom distributed leaflets containing such a recommendation in December 2000. They noted that no evidence exists that using a wireless phone causes brain tumors or other ill effects. Their recommendation to limit wireless phone use by children was strictly

precautionary; it was not based on scientific evidence that any health hazard exists.

Do hands-free kits for wireless phones reduce risks from exposure to RF emissions?

Since there are no known risks from exposure to RF emissions from wireless phones, there is no reason to believe that hands-free kits reduce risks. Hands-free kits can be used with wireless phones for convenience and comfort. These systems reduce the absorption of RF energy in the head because the phone, which is the source of the RF emissions, will not be placed against the head. On the other hand, if the phone is mounted against the waist or other part of the body during use, then that part of the body will absorb more RF energy. Wireless phones marketed in the U.S. are required to meet safety requirements regardless of whether they are used against the head or against the body. Either configuration should result in compliance with the safety limit.

Do wireless phone accessories that claim to shield the head from RF radiation work?

Since there are no known risks from exposure to RF emissions from wireless phones, there is no reason to believe that accessories that claim to shield the head from those emissions reduce risks. Some products that claim to shield the user from RF absorption use special phone cases, while others involve nothing more than a metallic accessory attached to the phone. Studies have shown that these products generally do not work as advertised. Unlike “hand-free” kits, these so-called “shields” may interfere with proper operation of the phone. The phone may be forced to boost its power to compensate, leading to an increase in RF absorption. In February 2002, the Federal Trade Commission (FTC) *charged two companies* that sold devices that claimed to protect wireless phone users from radiation with making false and unsubstantiated claims. According to FTC, these defendants lacked a reasonable basis to substantiate their claim.

Motorola Limited Warranty for the United States and Canada

What Does this Warranty Cover?

Subject to the exclusions contained below, Motorola, Inc. warrants its telephones, pagers, messaging devices, and consumer and professional two-way radios (excluding commercial, government or industrial radios) that operate via Family Radio Service or General Mobile Radio Service, Motorola-branded or certified accessories sold for use with these Products ("Accessories") and Motorola software contained on CD-ROMs or other tangible media and sold for use with these Products ("Software") to be free from defects in materials and workmanship under normal consumer usage for the period(s) outlined below. This limited warranty is a consumer's exclusive remedy, and applies as follows to new Motorola Products, Accessories and Software purchased by consumers in the United States or Canada, which are accompanied by this written warranty:

Products and Accessories

Products Covered	Length of Coverage
Products and Accessories as defined above, unless otherwise provided for below.	One (1) year from the date of purchase by the first consumer purchaser of the product unless otherwise provided for below.
Decorative Accessories and Cases. Decorative covers, bezels, PhoneWrap™ covers and cases.	Limited lifetime warranty for the lifetime of ownership by the first consumer purchaser of the product.
Monaural Headsets. Ear buds and boom headsets that transmit mono sound through a wired connection.	Limited lifetime warranty for the lifetime of ownership by the first consumer purchaser of the product.

Products Covered	Length of Coverage
Consumer and Professional Two-Way Radio Accessories.	Ninety (90) days from the date of purchase by the first consumer purchaser of the product.
Products and Accessories that are Repaired or Replaced.	The balance of the original warranty or for ninety (90) days from the date returned to the consumer, whichever is longer.

Exclusions

Normal Wear and Tear. Periodic maintenance, repair and replacement of parts due to normal wear and tear are excluded from coverage.

Batteries. Only batteries whose fully charged capacity falls below 80% of their rated capacity and batteries that leak are covered by this limited warranty.

Abuse & Misuse. Defects or damage that result from: (a) improper operation, storage, misuse or abuse, accident or neglect, such as physical damage (cracks, scratches, etc.) to the surface of the product resulting from misuse; (b) contact with liquid, water, rain, extreme humidity or heavy perspiration, sand, dirt or the like, extreme heat, or food; (c) use of the Products or Accessories for commercial purposes or subjecting the Product or Accessory to abnormal usage or conditions; or (d) other acts which are not the fault of Motorola, are excluded from coverage.

Use of Non-Motorola Products and Accessories. Defects or damage that result from the use of Non-Motorola branded or certified Products, Accessories, Software or other peripheral equipment are excluded from coverage.

Unauthorized Service or Modification. Defects or damages resulting from service, testing, adjustment, installation, maintenance, alteration, or modification in any way by someone other than Motorola, or its authorized service centers, are excluded from coverage.

Altered Products. Products or Accessories with (a) serial numbers or date tags that have been removed, altered or obliterated; (b) broken seals or that show evidence of tampering; (c) mismatched board serial numbers; or (d) nonconforming or non-Motorola housings, or parts, are excluded from coverage.

Communication Services. Defects, damages, or the failure of Products, Accessories or Software due to any communication service or signal you may subscribe to or use with the Products Accessories or Software is excluded from coverage.

Software

Products Covered	Length of Coverage
Software. Applies only to physical defects in the media that embodies the copy of the software (e.g. CD-ROM, or floppy disk).	Ninety (90) days from the date of purchase.

Exclusions

Software Embodied in Physical Media. No warranty is made that the software will meet your requirements or will work in combination with any hardware or software applications provided by third parties, that the operation of the software products will be uninterrupted or error free, or that all defects in the software products will be corrected.

Software NOT Embodied in Physical Media. Software that is not embodied in physical media (e.g. software that is downloaded from the internet), is provided “as is” and without warranty.

Who is Covered?

This warranty extends only to the first consumer purchaser, and is not transferable.

What Will Motorola Do?

Motorola, at its option, will at no charge repair, replace or refund the purchase price of any Products, Accessories or Software that does not conform to this warranty. We may use functionally equivalent

reconditioned/refurbished/pre-owned or new Products, Accessories or parts. No data, software or applications added to your Product, Accessory or Software, including but not limited to personal contacts, games and ringer tones, will be reinstalled. To avoid losing such data, software and applications please create a back up prior to requesting service.

How to Obtain Warranty Service or Other Information

USA	Phones 1-800-331-6456 Pagers 1-800-548-9954 Two-Way Radios and Messaging Devices 1-800-353-2729
Canada	All Products 1-800-461-4575
TTY	1-888-390-6456
For Accessories and Software , please call the telephone number designated above for the product with which they are used.	

You will receive instructions on how to ship the Products, Accessories or Software, at your expense, to a Motorola Authorized Repair Center. To obtain service, you must include: (a) a copy of your receipt, bill of sale or other comparable proof of purchase; (b) a written description of the problem; (c) the name of your service provider, if applicable; (d) the name and location of the installation facility (if applicable) and, most importantly; (e) your address and telephone number.

What Other Limitations Are There?

ANY IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL BE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY, OTHERWISE THE REPAIR, REPLACEMENT, OR REFUND AS PROVIDED UNDER THIS EXPRESS LIMITED WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER, AND IS PROVIDED IN LIEU OF ALL OTHER

WARRANTIES, EXPRESS OR IMPLIED. IN NO EVENT SHALL MOTOROLA BE LIABLE, WHETHER IN CONTRACT OR TORT (INCLUDING NEGLIGENCE) FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT, ACCESSORY OR SOFTWARE, OR FOR ANY INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES OF ANY KIND, OR LOSS OF REVENUE OR PROFITS, LOSS OF BUSINESS, LOSS OF INFORMATION OR DATA, SOFTWARE OR APPLICATIONS OR OTHER FINANCIAL LOSS ARISING OUT OF OR IN CONNECTION WITH THE ABILITY OR INABILITY TO USE THE PRODUCTS, ACCESSORIES OR SOFTWARE TO THE FULL EXTENT THESE DAMAGES MAY BE DISCLAIMED BY LAW.

Some states and jurisdictions do not allow the limitation or exclusion of incidental or consequential damages, or limitation on the length of an implied warranty, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary from state to state or from one jurisdiction to another.

Laws in the United States and other countries preserve for Motorola certain exclusive rights for copyrighted Motorola software such as the exclusive rights to reproduce and distribute copies of the Motorola software. Motorola software may only be copied into, used in, and redistributed with, the Products associated with such Motorola software. No other use, including without limitation disassembly of such Motorola software or exercise of the exclusive rights reserved for Motorola, is permitted.

Product Registration

Online Product Registration:

<http://www.motorola.com/warranty>

Product registration is an important step toward enjoying your new Motorola product. Registering helps us facilitate warranty service, and permits us to contact you should your product require an update or other service. Registration is for U.S. residents only and is not required for warranty coverage.

Please retain your original dated sales receipt for your records. For warranty service of your Motorola Personal Communications Product you will need to provide a copy of your dated sales receipt to confirm warranty status.

Thank you for choosing a Motorola product.

Export Law Assurances

This product is controlled under the export regulations of the United States of America and Canada. The Governments of the United States of America and Canada may restrict the exportation or re-exportation of this product to certain destinations. For further information contact the U.S. Department of Commerce or the Canadian Department of Foreign Affairs and International Trade.

RF Energy Interference

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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MOTOROLA

Wireless Phone Safety Tips

“Safety is your most important call!”

Your Motorola wireless telephone gives you the powerful ability to communicate by voice—almost anywhere, anytime, wherever wireless phone service is available and safe conditions allow. But an important responsibility accompanies the benefits of wireless phones, one that every user must uphold.

When driving a car, driving is your first responsibility. If you find it necessary to use your wireless phone while behind the wheel of a car, practice good common sense and remember the following tips:

- 1 Get to know your Motorola wireless phone and its features such as speed dial and redial.** If available, these features help you to place your call without taking your attention off the road.
- 2 When available, use a hands-free device.** If possible, add an additional layer of convenience to your wireless

phone with one of the many Motorola Original™ hands-free accessories available today.



- 3 **Position your wireless phone within easy reach.** Be able to access your wireless phone without removing your eyes from the road. If you receive an incoming call at an inconvenient time, if possible, let your voice mail answer it for you.
- 4 **Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions.** Rain, sleet, snow, ice, and even heavy traffic can be hazardous.
- 5 **If you receive an incoming call at an inconvenient time do not take notes or look up phone numbers while driving.** Jotting down a “to do” list or going through your address book takes attention away from your primary responsibility—driving safely.
- 6 **Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic.** Try to plan calls when your car will be stationary. If you need to make a call while moving, dial only a few numbers, check the road and your mirrors, then continue.
- 7 **Do not engage in stressful or emotional conversations that may be distracting.** Make people you are talking with aware you are driving and suspend conversations which have the potential to divert your attention away from the road.
- 8 **Use your wireless phone to call for help.** Dial 9-1-1 or other local emergency number in the case of fire, traffic accident or medical emergencies.*



- 9 **Use your wireless phone to help others in emergencies.** If you see an auto accident, crime in progress or other serious emergency where lives are in danger, call 9-1-1 or other local emergency number, as you would want others to do for you.*
- 10 **Call roadside assistance or a special non-emergency wireless assistance number when necessary.** If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured, or a vehicle you know to be stolen, call roadside assistance or other special non-emergency wireless number.*

* Wherever wireless phone service is available.

Check the laws and regulations on the use of wireless telephones and their accessories in the areas where you drive. Always obey them. The use of these devices may be prohibited or restricted in certain areas.



For more information,
please call
1-888-901-SAFE
or visit the
CTIA Web site at
www.wow-com.comTM



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